

Subject : _____

Date : _____

↑↑ Oral Candidiasis

- caused by *Candida albicans*
- unicellular fungi
- yeast form and may be found in ^{ttt}maissellial form
- induced by some diseases ex: DM
- water increases their proliferation
- more found in skin folds and skin to skin contact

→ intro
→ maissellial
→ symptoms
→ types

- Factors That Cause changing from yeast form to maissellial form:-

- ① Excess water
- ② antibiotics: because of disturbance in the normal flora
- ③ steroid therapy.
- ④ iron deficiency.
- ⑤ Endocrinal diseases specially DM

- moniliasis:-

- fungal infection
- more common in females than males
- more common with antibiotics & steroid therapy.
- most common form angular stomatitis.

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↑↑ Oral Candidiasis

Types:-

[1] angular stomatitis.

- Can be found in children & adults
- Can be found on skin & mucous membranes.
- Caused by over lapping of the upper lip on the lower lip so increases saliva dropping.
- may cause candidal cheilitis in the middle of the lip.

[2] Candidal cheilitis: in the middle of the lip.

[3] Chronic rhomboid glossitis:-

- Found in the middle of the tongue.
- Cause accompanied with atrophy of the tongue papillae

[4] acute candidal infection of the mouth.

- may be atrophic or hypertrophic infection

[5] Chronic candidal infection of the mouth.

- may be atrophic or hypertrophic infection.

Genital Candidiasis.

- Vulvovaginitis in females
- Paraphimosis in males.
- Causes: Chronic ancha & para ancha

Congenital Candidiasis - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Systemic Candidiasis

- in immunocompromised patient as Aids
- affect the internal organ.

treatment: medical

① Systemic:-

- oral drugs: imidazole
anloterisin
- pre injection: fluconazole
ketoconazole.

② Local :

- dies: Violet pigmentation
- Creams: miconazole.
- Control DM
- treat iron deficiency if present
- drying the skin after washing.

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Congenital Candidiasis.

- Caused by maternal vaginal candidiasis that infect the infant during labour
- affect the genital organs of the infant
- small vacules & vesicles on the edge of the lesions of erythema.

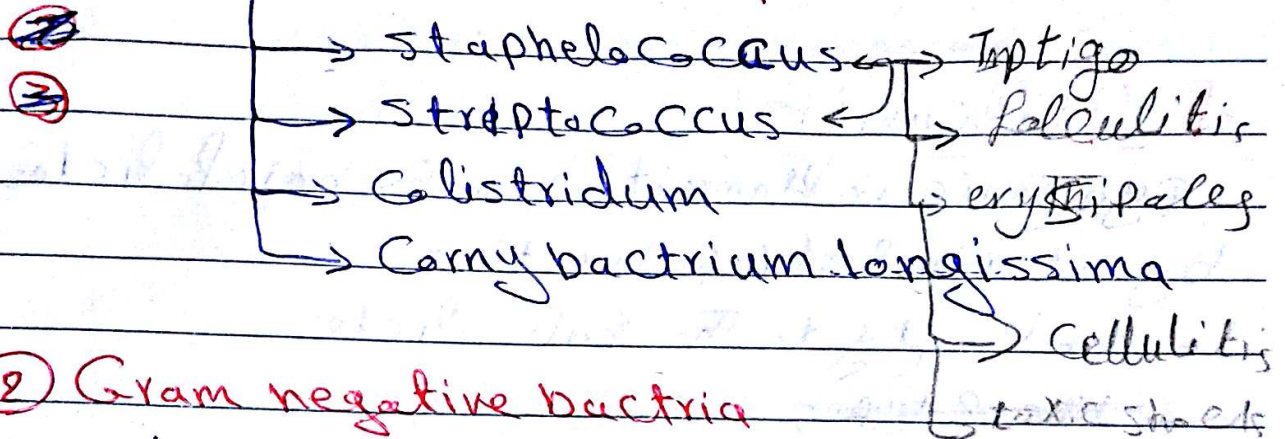
Symptoms:

- ① white spots inside the mouth and the tongue
- ② Redness or discomfort in the mouth area
- ③ Sore Throat and difficult swallowing
- ④ Cracking at corners at the mouth where the lips meet. (angular Chilitis)

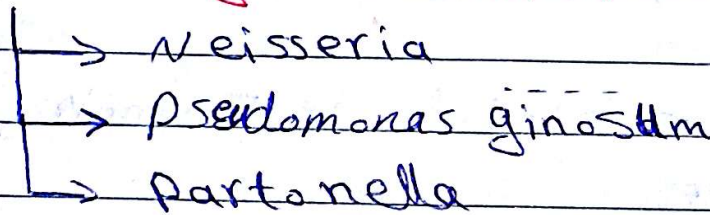
Bacterial skin diseases

Types of Bacteria affect the skin:-

① Gram positive bacteria



② Gram negative bacteria



③ Spirochetes

II Skin diseases caused by ~~gram~~ ^{positive} gram ~~neg~~ ^{neg}

- diseases caused by strept & staph

[A] Impetigo:-

- superficial strept & staph skin infection
- Childhood from 2 days - 11 years
- more common in the face

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- has 2 types with 2 clinical pictures

① type ① appears as large macule

② type ② appears as pustules

B Folliculitis

- Pyogenic inflammation in the hair follicles by staph & strep bacteria

- specificity to the hair follicle

- has 2 types

① type ①

- appears as pustules in the hairy areas

- has 2 types

① type ① superficial to the hair isthmus

② type ② deep to the hair isthmus

Erysipelas & Cellulitis

- **erysipelas** infection of the epidermis & the upper part of the dermis

- mainly affect the face & cause inflammatory signs

- may get confused with the dental abscess during diagnosis

- Cellulitis : Infection of deep subcutaneous & the deep dermis

- mainly affect the lower limb.

- both clinically appear as skin inflammation with the inflammatory signs as pain, swelling, heat & erythema

[D] Toxic shock syndrome.

- systemic toxemia due to toxins of staph & strepto

- first appears as bacterial focus maybe in the skin or any other organ

- skin manifestation appears as erythematous macules in the whole body. ~~only in strept infection~~

- accompanied by high fever, muscles & joints pain

- Then causes systemic severe vasodilatation & hypotension & causes shock that may lead to death

8 - diseases Caused by Clostridium

- Causes Gas Gangrene in the deep fascia
- may Cause limbs cutting.
- may Cause cellulitis, erythema, hotness and swelling
- treated mainly by antibiotics.

Corynebacterium longissima

- Causes : Erythrasma that appears as brownish patch mainly appears in the axilla.
- may Cause Pitted keratolysis that appears as skin perforations in the under surface of the foot

[2] Diseases Caused by gram negative bacteria.

[A] Neisseria:-

① *N. gonorrhoea*:

- Causes gonorrhoea that is asexual transmitted disease
- affect the genital mucous membrane
- Causes vaginal & urethral discharges with offensive odour

② *N. streptococcus*

- Causes meningitis & skin manifestation appears as maculopapular eruptions

[B] *Pseudomonas* *ginsum*

- Causes pyogenic infection under the nails & change their colours to green & can affect other organs
- Can cause foliculitis in the hair of the fore due to prolonged antibiotic use.

[C] *Paratuberculosis*

- Causes angio pustulosis that infect the blood vessels & has skin manifestations
- more common in immunocompromised patient & the Aids Patients.